

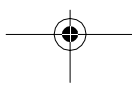
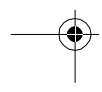
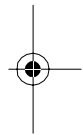
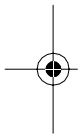
Cat. No. 12-1591A

OWNER'S MANUAL

Please read before using this equipment.

CHROMATIC-291

AM/FM LED Digital Clock Radio



FEATURES

Your Chronomatic-291 AM/FM LED Digital Clock Radio with Battery Back-up and Battery Sentinel uses a superior electronic design that has many special features:

Large Digital Display — makes the clock easy to read.

Push Button Operation — makes the clock radio easy to use.

Sleep Feature — lets you program the radio to play for up to 1 hour 59 minutes before the radio automatically turns off.



Snooze Feature — lets you temporarily turn off the alarm or radio for about 9 minutes so you can get a few extra minutes sleep.

Battery Backup with Battery Sentinel — maintains the clock and alarm operation during a power failure.

Earphone Jack — allows private listening through an optional earphone.

Dimmer — lets you adjust the display to suit the room's lighting.

Warning: To prevent fire or shock hazard, do not expose this product to rain or moisture.

	CAUTION RISK OF ELECTRIC SHOCK. DO NOT OPEN.	
<p>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.</p>		



This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.



This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.

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PREPARATION

CONNECTING TO AC POWER

Plug the clock radio's power cord into a standard AC outlet. The display flashes.

Installing a Back-up Battery

Your clock radio requires a 9-volt battery (not supplied) for its back-up power system. For the best performance, we recommend an alkaline battery, such as Radio Shack Cat. No. 23-553.

Caution: Use only a fresh battery of the required size and type.

Note: To prevent unnecessary drain on the battery, install it only after connecting the clock radio to AC power.

BATTERY BACK-UP WITH BATTERY SENTINEL

Your clock radio has a back-up power system that operates the clock and alarm during a power failure. The clock display goes off, but the clock operates for at least 8 hours, and the alarm sounds for at least 10 minutes, if set.

The BATTERY SENTINEL indicator, a small red dot at the bottom right of the display, appears if the battery is low, or if one is not installed.

1. To remove the battery compartment cover, press down and slide it in the direction of the arrow.
2. Snap the clock radio's battery contacts onto the battery terminals, then insert the battery into the compartment. The BATTERY SENTINEL indicator turns off.

3. Replace the cover.

Warning: Always dispose of old batteries promptly and properly.

OPERATION

SETTING THE TIME

Follow these steps to set the time.

1. While pressing and holding down **TIME**, press **HOUR**. The hour digits advance by 1 hour each time you press **HOUR**. Hold down **HOUR** to rapidly advance the hour digits.

ADJUSTING THE DISPLAY

Set **DIMMER HI/LO** to **LO** for nighttime viewing, or to **HI** for daytime viewing.

PLAYING THE RADIO

1. Rotate **VOLUME** clockwise (toward the front of the clock radio) to set the volume to its minimum level.

Note: The PM indicator appears on the bottom left side of the display if you set the alarm to a PM hour. No PM indicator means it is set to an AM hour.

2. While you hold down **TIME**, press **MINUTE**. The minute digits advance by 1 minute each time you press **MINUTE**. Hold down **MINUTE** to rapidly advance the minute digits.

2. Slide **ALARM/AUTO/OFF/ON** to **ON**.

3. Slide **AM/FM** to the desired band.

USING THE SLEEP TIMER

This feature lets you set the radio to play for up to 1 hour, 59 minutes and then automatically turn off. This is useful if you want to have the radio play as you go to sleep.

4. Rotate **TUNING** to the desired station.

Follow these steps to set and use the sleep timer.

1. Slide **ALARM/AUTO/OFF/ON** to **OFF**.

5. Rotate **VOLUME** to the desired sound level.

6. To turn off the radio, slide **ALARM/AUTO/OFF/ON** to **OFF**.

2. Press **SLEEP** once. The radio plays for 59 minutes, then automatically turns off.

Note: The AM Antenna is built-in. Turn the clock radio for the best AM reception. Fully extend the AC power cord (which is the FM antenna) for the best FM reception.

3. To set a playing time of fewer than 59 minutes, press and hold **SLEEP** then press **MINUTE**. The time on the display decreases by 1 minute each time you press **MINUTE**. Hold down **MINUTE** to rapidly decrease the playing time.

4. To set a playing time between 1 hour to 1 hour, 59 minutes, press and hold **SLEEP**, then press **HOURL**. 1 hour, 59 minutes appears. To decrease the sleep time, repeatedly press **MINUTE**. Each time you press it, the sleep time decreases by 1 minute.

5. To turn off the radio before the preset sleep time elapses, press **SNOOZE**.

Note: if the BATTERY SENTINEL indicator lights while you press **SNOOZE**, the back-up battery is getting low.

SETTING THE ALARM TIME

1. Slide **ALARM/AUTO/OFF/ON** to **OFF**.
2. While pressing and holding down **ALARM**, press **HOURL**. The time on the display advances by 1 hour each time you press **HOURL**. Hold down **HOURL** to rapidly advance the hour digits.

Note: The PM indicator appears on the bottom left side of the display if you set the alarm to a PM hour. No PM indicator means it is set to an AM hour.

3. While you hold down **ALARM**, press **MINUTE**. The time on the display advances by 1 minute each time you press **MINUTE**. Hold down **MINUTE** to rapidly advance the minute digits.

To display the preset alarm time, press **ALARM**.

WAKING TO THE ALARM

To wake to the alarm, slide **ALARM/AUTO/OFF/ON** to **ALARM**. At the preset alarm time, the alarm sounds, then automatically turns off after 1 hour, 59 minutes.

To turn off the alarm sooner, slide **ALARM/AUTO/OFF/ON** to **OFF**. To reset the alarm to sound again at the alarm time on the next day, slide it back to **ALARM** or **AUTO**.

To adjust the volume of the alarm sound, rotate the **VOLUME** control.

WAKING TO MUSIC

To wake to music, slide **ALARM/AUTO/OFF/ON** to **AUTO**. At the preset time, the radio turns on, then automatically turns off after 1 hour, 59 minutes.

To turn off the radio sooner, slide **ALARM/AUTO/OFF/ON** to **OFF**. To reset the alarm to sound again at the alarm time on the next day, slide it back to **ALARM** or **AUTO**.

SNOOZE FEATURE

If you want to turn off the alarm but you want it to sound again in a few minutes, press **SNOOZE** after the radio or alarm comes on. This silences the radio or the alarm for about 9 minutes. You can press **SNOOZE** repeatedly.

CONNECTING AN EARPHONE

To listen privately, you can plug an optional earphone into the **EAR** jack on the back of the clock radio. (You can use headphones, but you cannot receive a stereo signal.) You can find a complete selection of earphones and headphones at your local Radio Shack store.

Note: Connecting an earphone automatically disconnects the built-in speaker.

Listening Safely

To protect your hearing, follow these guidelines when you use an earphone.

- Set the volume to the lowest setting before you begin listening. After you begin listening, adjust the volume to a comfortable level.
- Do not listen at extremely high volume levels. Extended high-volume listening can lead to permanent hearing loss.
- Once you set the volume, do not increase it. Over time, your ears adapt to the volume level, so a volume level that does not cause discomfort might still damage your hearing.

MAINTENANCE

Your Chronomatic-291 AM/FM LED Digital Clock Radio is an example of superior design and craftsmanship. The following suggestions will help you care for the clock radio so you can enjoy it for years.



Keep the clock radio dry. If it gets wet, wipe it dry immediately. Liquids might contain minerals that can corrode the electronic circuits.



Handle the clock radio gently and carefully. Dropping it can damage circuit boards and cases and can cause the clock radio to work improperly.



Use and store the clock radio only in normal temperature environments. Temperature extremes can shorten the life of electronic devices and distort or melt plastic parts.



Keep the clock radio away from dust and dirt, which can cause premature wear of parts.



Wipe the clock radio with a damp cloth occasionally to keep it looking new. Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the clock radio.

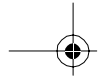
Modifying or tampering with the clock radio's internal components can cause a malfunction and might invalidate its warranty and void your FCC authorization to operate it. If your clock radio is not performing as it should, take it to your local Radio Shack store for assistance.

THE FCC WANTS YOU TO KNOW

Your clock radio might cause TV or radio interference even when it is operating properly. To determine whether your clock radio is causing the interference, turn off your clock radio. If the interference goes away, your clock radio is causing the interference. Try to eliminate the interference by:

- Moving your clock radio away from the TV or radio
- Connecting your clock radio to an outlet that is on a different electrical circuit from the TV or radio
- Contacting your local Radio Shack store for help

If you cannot eliminate the interference, the FCC requires that you stop using the clock radio.



SPECIFICATIONS

Bands AM 530-1710 kHz
FM 88-108 MHz

Intermediate Frequency: AM 455 kHz
FM 10.7 MHz

Power Output 300 mW (maximum)

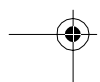
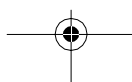
Speaker 3 Inch (7.6cm) Ferrite, Dynamic-Type. 8 ohms

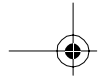
Power Requirements 120V AC, 60 Hz., 8 Watts
DC 9V

Dimensions $2\frac{3}{16} \times 8\frac{15}{16} \times 5\frac{9}{16}$ in.
(56 x 211 x 141.5 mm)

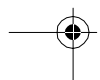
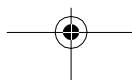
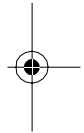
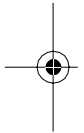
Weight 1 lb. 11 oz.
(770 g)

Specifications are typical; individual units might vary. Specifications and designs are subject to change and improvement without notice.





NOTES



RADIO SHACK LIMITED WARRANTY

This product is warranted against defects for 90 days from date of purchase from Radio Shack company-owned stores and authorized Radio Shack franchisees and dealers. Within this period, we will repair it without charge for parts and labor. Simply **bring your Radio Shack sales slip** as proof of purchase date to any Radio Shack store. Warranty does not cover transportation costs. Nor does it cover a product subjected to misuse or accidental damage.

EXCEPT AS PROVIDED HEREIN, RADIO SHACK MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. Some states do not permit limitation or exclusion of implied warranties; therefore, the aforesaid limitation(s) or exclusion(s) may not apply to the purchaser.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

We Service What We Sell

9/94

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Fort Worth, Texas 76102

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